

January, 1999

WATER CONSERVATION AND DROUGHT OR
WATER SUPPLY EMERGENCY MANAGEMENT PLAN REPORT
FOR LARGE VOLUME USERS

PERMITTEE: _____

CONTACT PERSON: _____

ADDRESS: _____

TELEPHONE NO. _____

ALLOCATION PERMIT NO.: _____

DATE: _____

Submit to: Bureau of Water Allocation
P.O. Box 426
Trenton, New Jersey 08625-0426

See your Water Allocation Permit for your submittal schedule

NOTE: You must read and complete all sections of the worksheet. Your Water Allocation Permit requires water conservation and water management activities that you may not usually consider in this context but no section may be omitted.

Please discard your file copies of the previous worksheets and/or delete or update computerized forms. Your report must be submitted on an exact replica of this worksheet, either a photocopy or a computerized version, with the original kept on file for future reference. An incomplete worksheet will be returned to you. If there is not enough space provided for your information, additional pages should be used.

I. WATER CONSERVATION COMPONENTS

A. WATER SYSTEM

1. Allocation: _____ mgm, _____ gpm, _____ mgy

2. List sources of water. Include well permit numbers and/or number of surface water intakes.

3. Metering:	(circle one)		
raw water source	Y	N	NA
finished water	Y	N	NA
to treatment system	Y	N	NA
recharged water	Y	N	NA
recycled water	Y	N	NA

4. Date of last source meter calibration: _____
5. System Capacity: _____ mgd
Storage Capacity: _____ mg
6. Pumping Schedule: _____ hours per day, ____ to ____.
7. Interconnections:

Name of System	Number	Size (inches) NA
_____	_____	_____
_____	_____	_____
_____	_____	_____

use (circle one) potable, emergency, other (describe)

8. Monitoring wells (if any): list well permit numbers, local ID and depths (attach separate sheets).
NOTE: DO NOT INCLUDE THE PRODUCTION WELLS LISTED ABOVE.
9. Source of potable supply (public water supplier, or well numbers, if self-supplied)

B. ANALYSIS OF WATER USE

1. Demand: Report demand from the most recent year for which you have complete data as the base year; identify the years the data refers to.

	mgd	mgm	mgd	gpm
base year <u>19</u>	_____	_____	_____	_____
previous year <u>19</u>	_____	_____	_____	_____
peak (base year)	_____	_____	_____	_____
next year <u>20</u>	_____	_____	_____	_____
5 year <u>20</u>	_____	_____	_____	_____

2. Type of Use:

Non-consumptive use means the use of water diverted from surface or ground water in such a manner that it is returned to the surface or ground water at or near the point from which it was taken without substantial diminution in quantity or substantial impairment of quality. Any other use is consumptive.

consumptive: _____ %
nonconsumptive: _____ %

3. Actual Use:

noncontact cooling	_____ %
process	_____ %
makeup	_____ %
contact cooling	_____ %
potable	_____ %
other (explain)	_____ %, _____

4. Attach a water balance.

Provide a simplified water balance which indicates source, general areas of water use, the amounts used in each, the percent consumptive for each, and the final destination for discharges, e.g. sewer, settling basin, etc.

C. UNACCOUNTED-FOR WATER

$100 - \frac{\text{gallons of water used}}{\text{gals. of raw water entering system}} \times 100 = \% \text{ unacc't}$

$100 - \text{_____} \times 100 = \text{_____} \% \text{ unacc=t}$

D. WATER CONSERVATION PRACTICES

Do you currently use any devices: Y N
(i.e. low flow faucets & shower heads, automatic shutoff valves, flow monitoring, etc.)

if Y list type(s): _____

if Y, approximate water savings: _____ mgd

Do you currently reuse or recycle water? Y N

if Y list type(s) and savings:

_____, _____ mgd
_____, _____ mgd

if N, could any be used in your operation? Y N

list reasons for not using (i.e. cost, space, etc.)

Are work practices scheduled to minimize water use? Y N

if Y list type(s) and savings:

_____, _____ mgd
_____, _____ mgd

if N, could any be used in your operation? Y N

list reasons for not using (i.e. cost, space, etc.)

E. WORKER EDUCATION/AWARENESS

List methods employed to educate workers on methods to save water during day to day operations:

Note: If more space is required for explanation please attach additional sheets as needed.

II. DROUGHT OR WATER SUPPLY EMERGENCY MANAGEMENT COMPONENTS

Note: This section should cover procedures you follow in event that your supply is diminished due to well failure, low surface water flow, or other localized interruption of your source of supply. The restrictions that apply when a drought emergency is declared by the Governor are not to be listed here.

A. ALTERNATE SUPPLIES

1. List storage and backup supplies

2. List interconnections, agreements for their use, and a maintenance plan for testing valves and connections

3. List possible alternate supply of a lesser quality

B. ACTION PROCEDURES

1. List practical water use restrictions in the priority of their implementation (e.g. reduction or elimination of such water use as hosing floors, driveways and work areas, vehicle washing and landscape irrigation.

2. List schedule changes in work areas to minimize need for washing between batches.

3. List the estimated effect on production of curtailed water use in 5% increments.

4. List other process or procedural modifications that are appropriate to your specific operation and a time table for their implementation.

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